

Report No.: 1

Test Time: 2016-12-28 13:02

Luminaire Property

Luminaire Category: 0113.W.A231.6
Luminaire Description: 60009
Length (mm): 114
Height (mm): 3
Current: 0.057 A
Power Factor: 0.979

Luminaire Manufacturer: Brasled
Width (mm): 114
Voltage: 230.1 V
Power: 12.87 W

Photometric Results

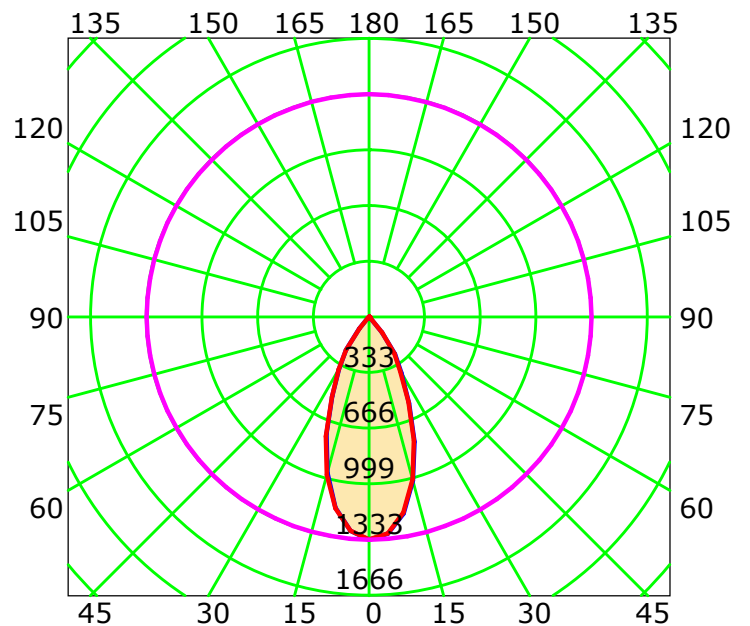
CIE Class: Direct
Measurement Flux: 834.3 lm
Downward Ratio: 100%
Field Angle: H78.3 V78.3
Luminaire Efficacy Rating (LER): 65
Max. Intensity: 1333.19 cd

Total Rated Lamp Lumens: 834.3 lm
Efficiency: 100%
Upward Ratio: 0%
Beam Angle: H44.7 V44.7
Central Intensity: 1333.19 cd
Pos of Max. Intensity: H0 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



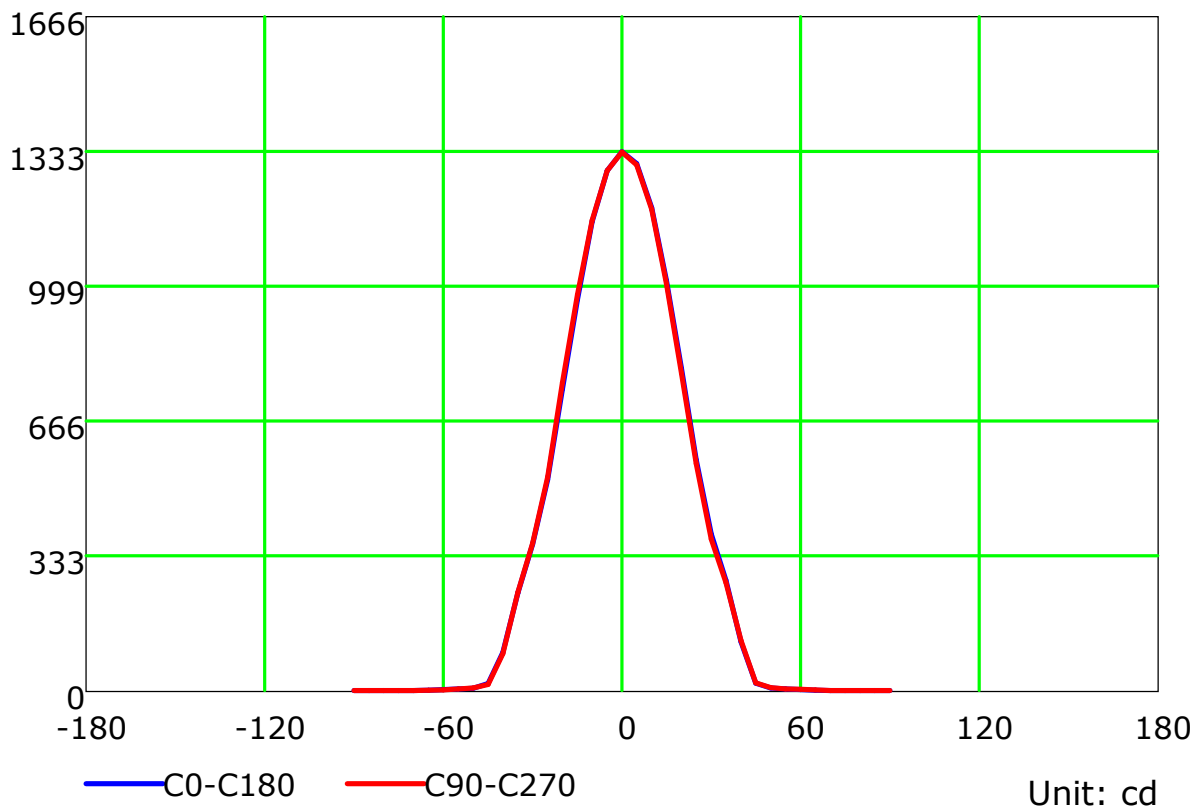
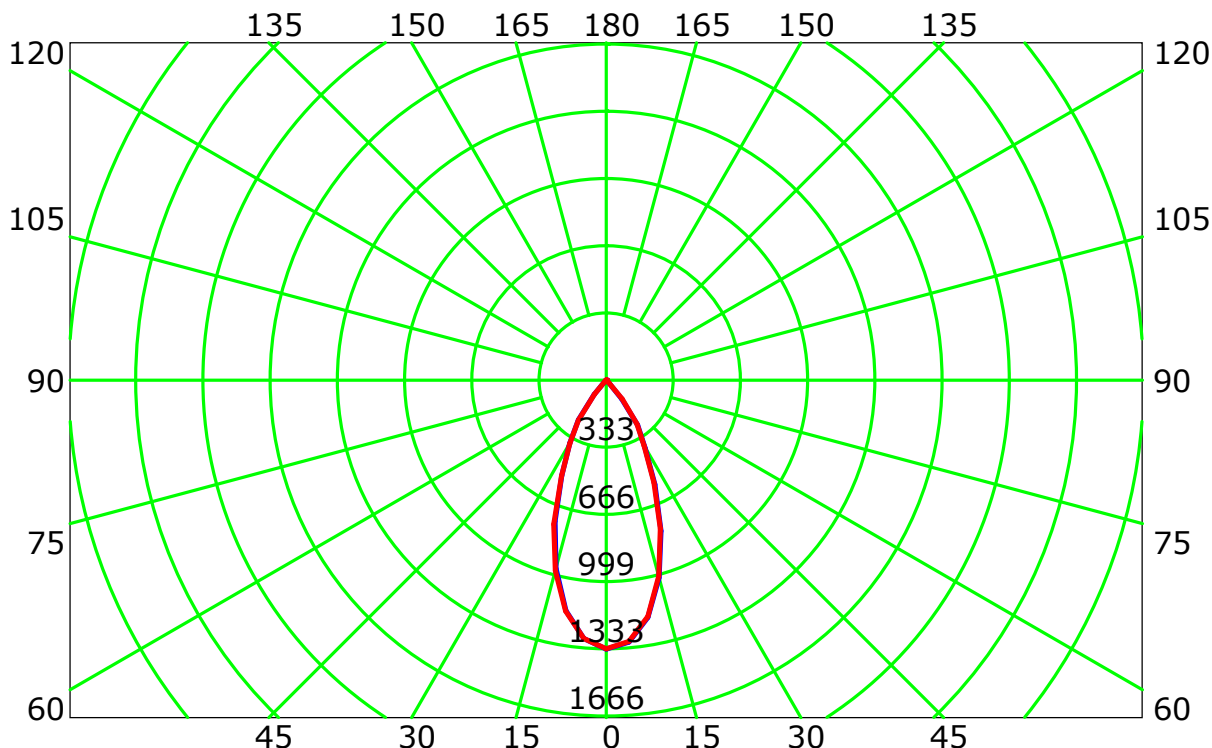
Average Diffuse Angle(50%): 44.7° Unit: cd

— C0-C180 — C90-C270 — G0

C Plane (°):0.0-360.0: 22.5
Test Lab: Brasled
Test Type: TYPE C
Temperature: 26
Operator:

Gamma Plane (°):0.0-90.0:5.0
Test Device: LSG-1200A
Distance: 1.0 m
Humidity: 60
Inspector:

Luminous Intensity Distribution Curve



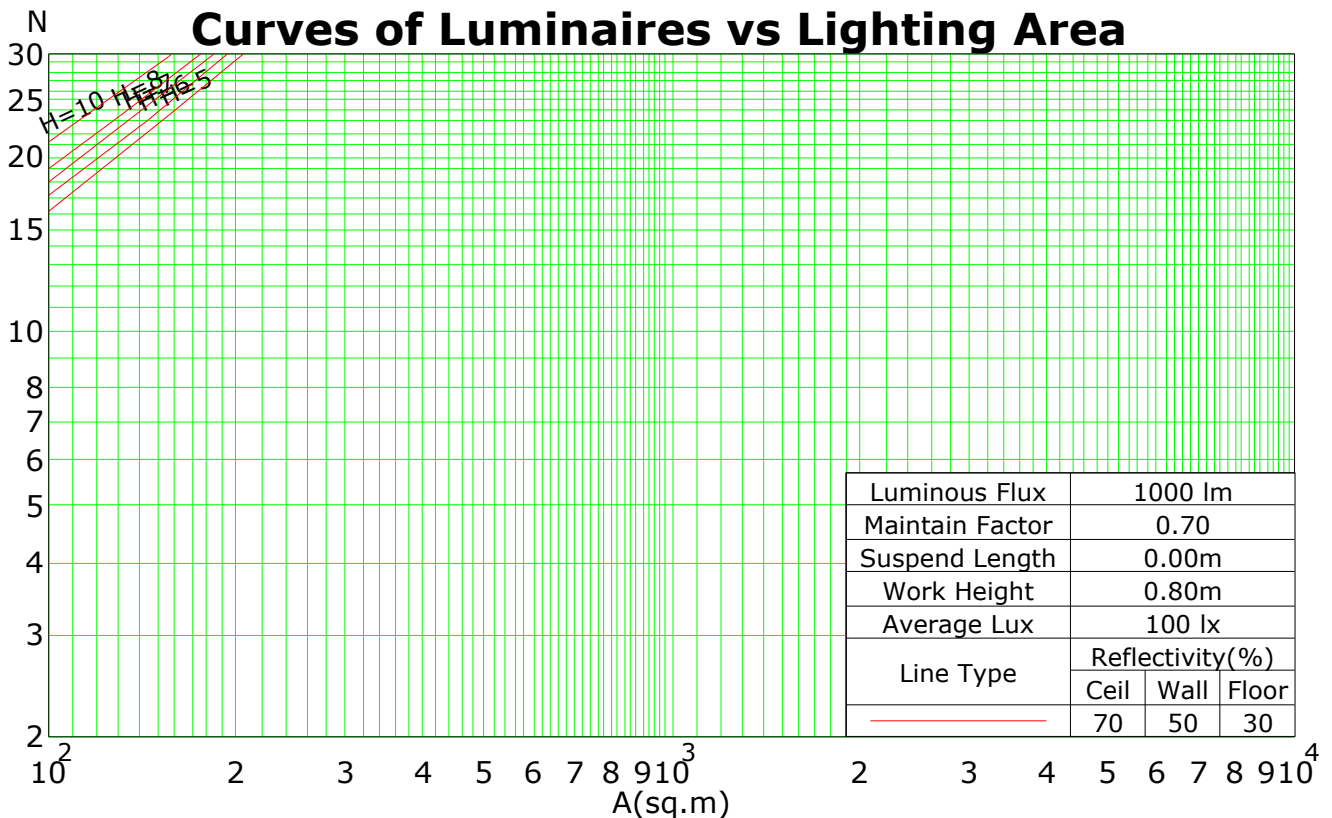
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Coefficients Of Utilization - Zonal Cavity Method

RC	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.1	0.1	0.1	0
RW	0.7	0.5	0.3	0.1	0.7	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0
RCR	RF = 0.2																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89
3	104	98	93	90	102	96	92	89	94	90	87	91	89	86	89	87	85	83
4	99	92	87	83	97	91	86	82	89	85	82	87	83	81	85	82	80	78
5	95	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	74	71	69
7	86	78	72	68	85	77	72	68	76	71	68	75	70	67	73	70	67	66
8	82	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62
9	79	70	64	61	78	69	64	61	69	64	60	68	63	60	67	63	60	59
10	76	67	61	58	75	66	61	58	65	61	57	65	60	57	64	60	57	56

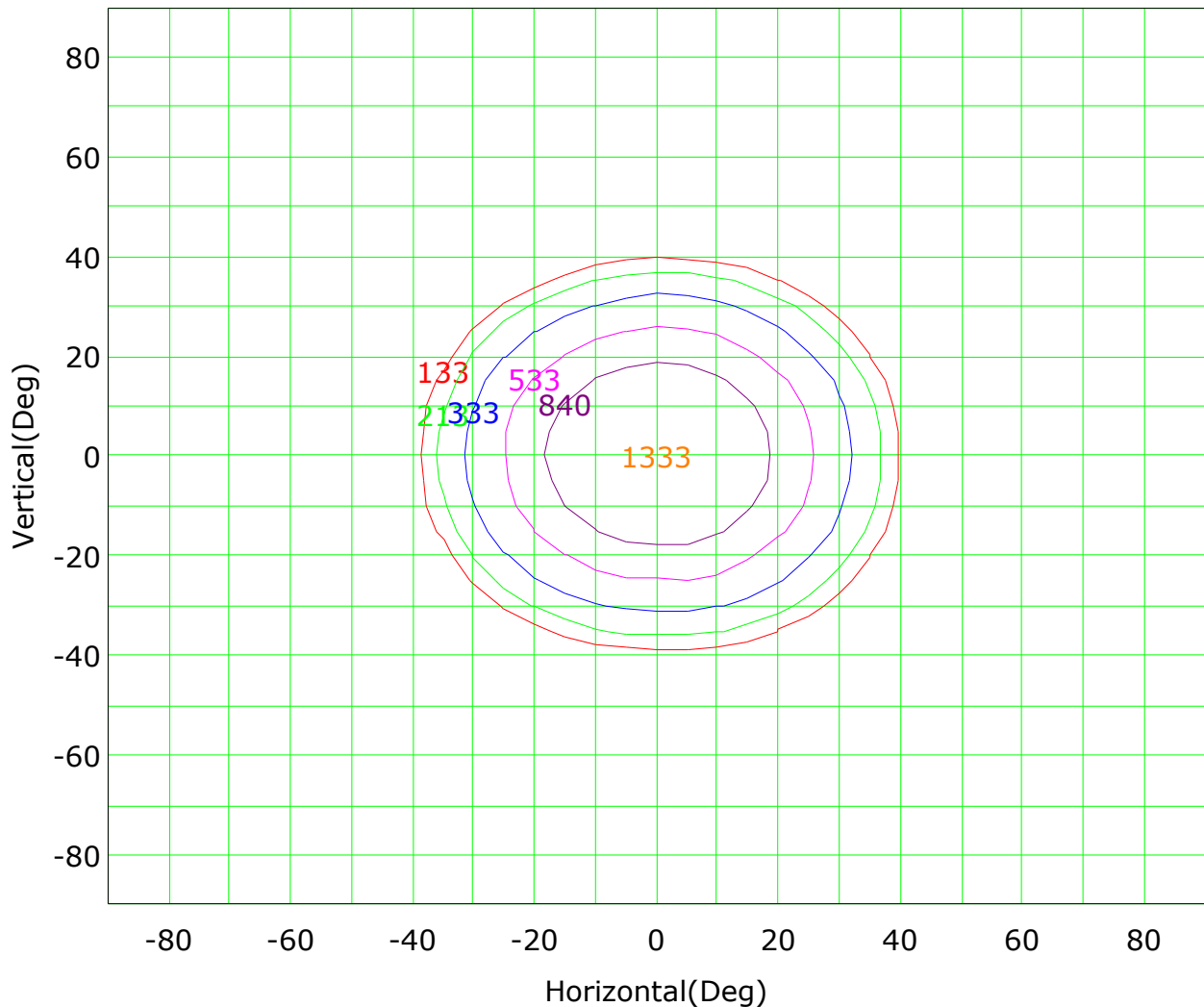
Spacing Criteria (0-180): 0.71
 Spacing Criteria (90-270): 0.71
 Spacing Criteria (Diagonal): 0.72



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Isocandela (rectangle)



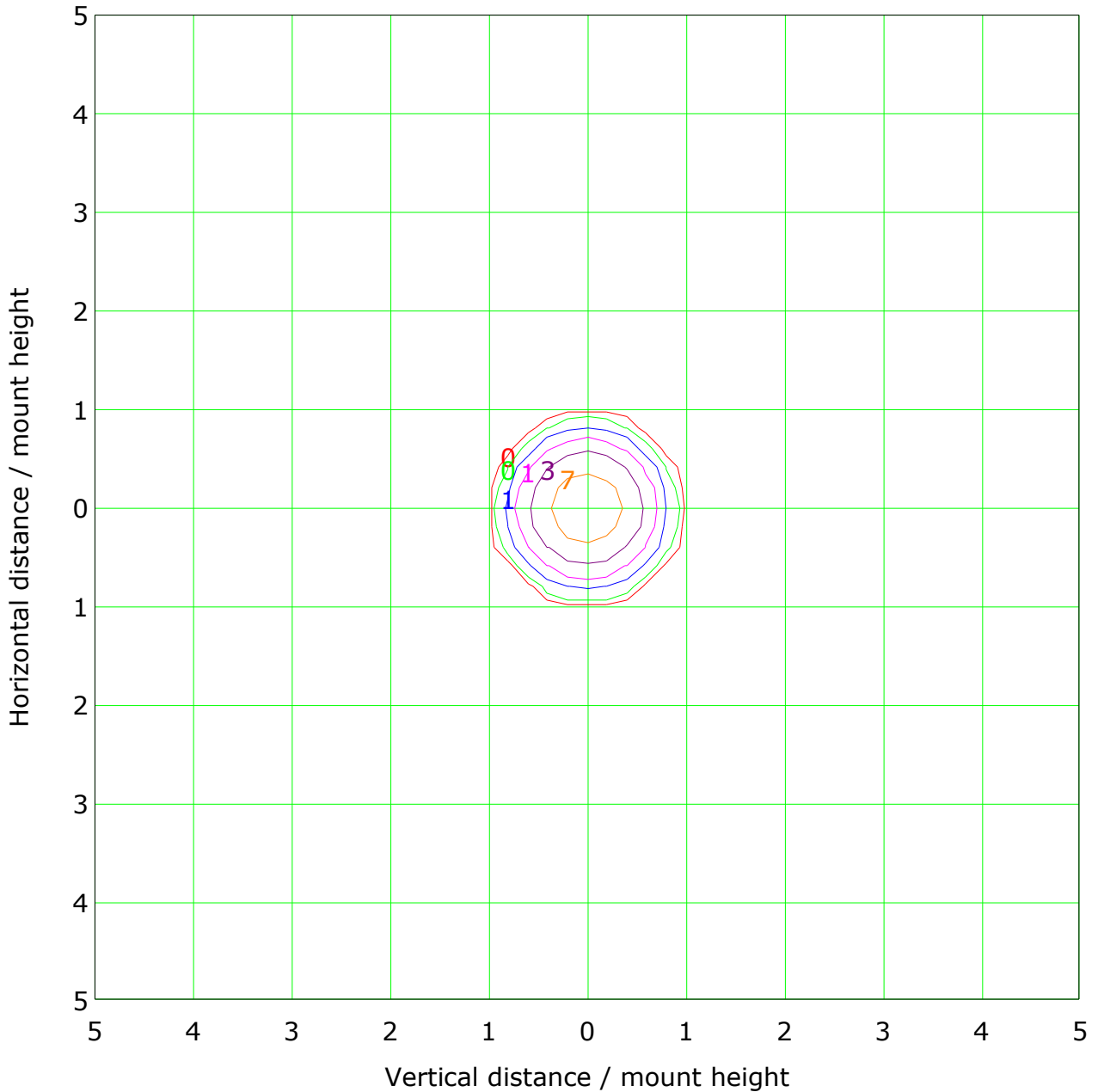
Imax (100%): 1333 cd

— (10%):	133 cd	— (16%):	213 cd
— (25%):	333 cd	— (40%):	533 cd
— (63%):	840 cd	— (100%):	1333 cd

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Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 13.3 lx

— (1%): 0.1 lx	— (2%): 0.3 lx
— (5%): 0.7 lx	— (10%): 1.3 lx
— (20%): 2.7 lx	— (50%): 6.7 lx
— (100%): 13.3 lx	

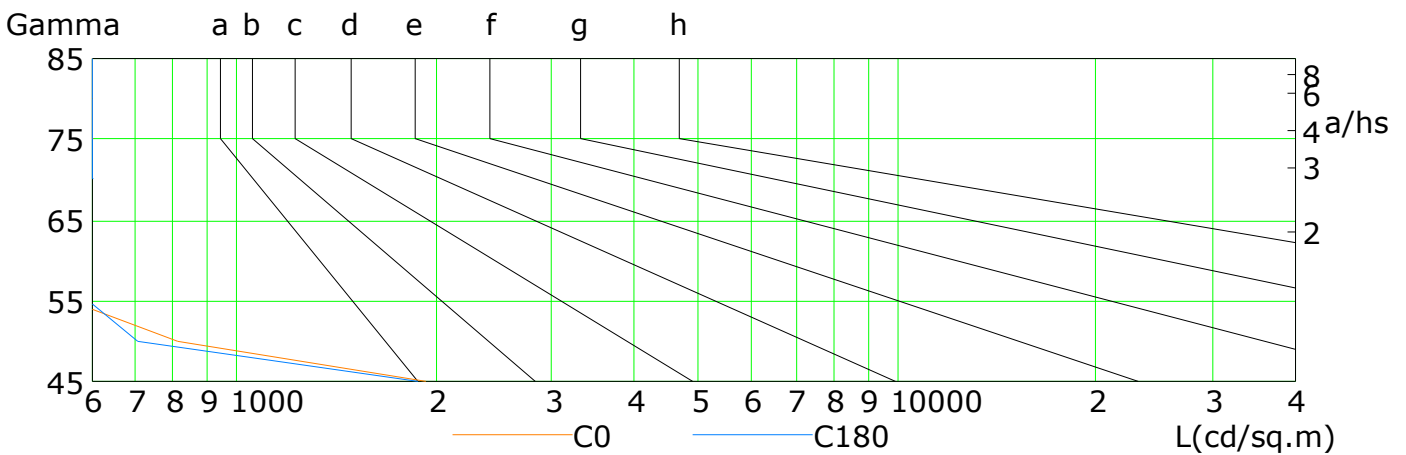
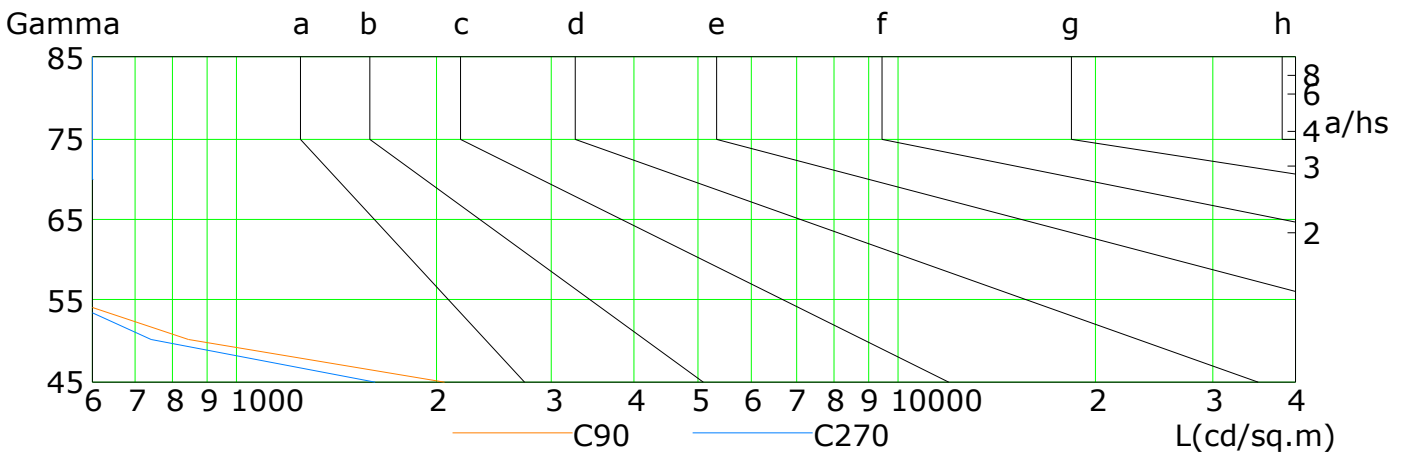
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Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
		2000	1000	500	<=300				
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300

a b c d e f g h

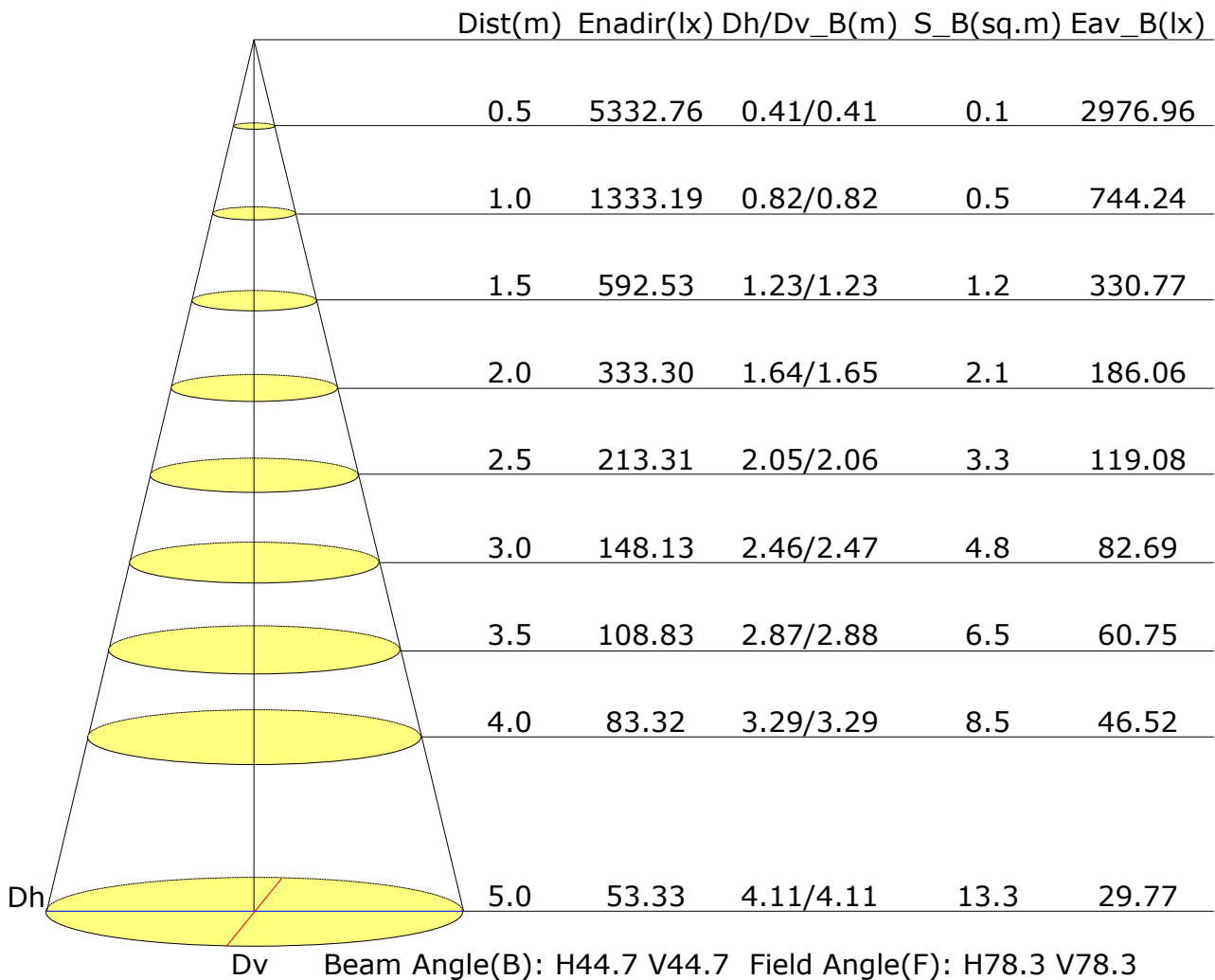


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	1933	811	549	403	210	63	0	0	0
C90	2062	846	549	492	314	128	0	0	0
C180	1869	706	590	403	210	0	0	0	0
C270	1611	741	549	314	262	0	0	0	0

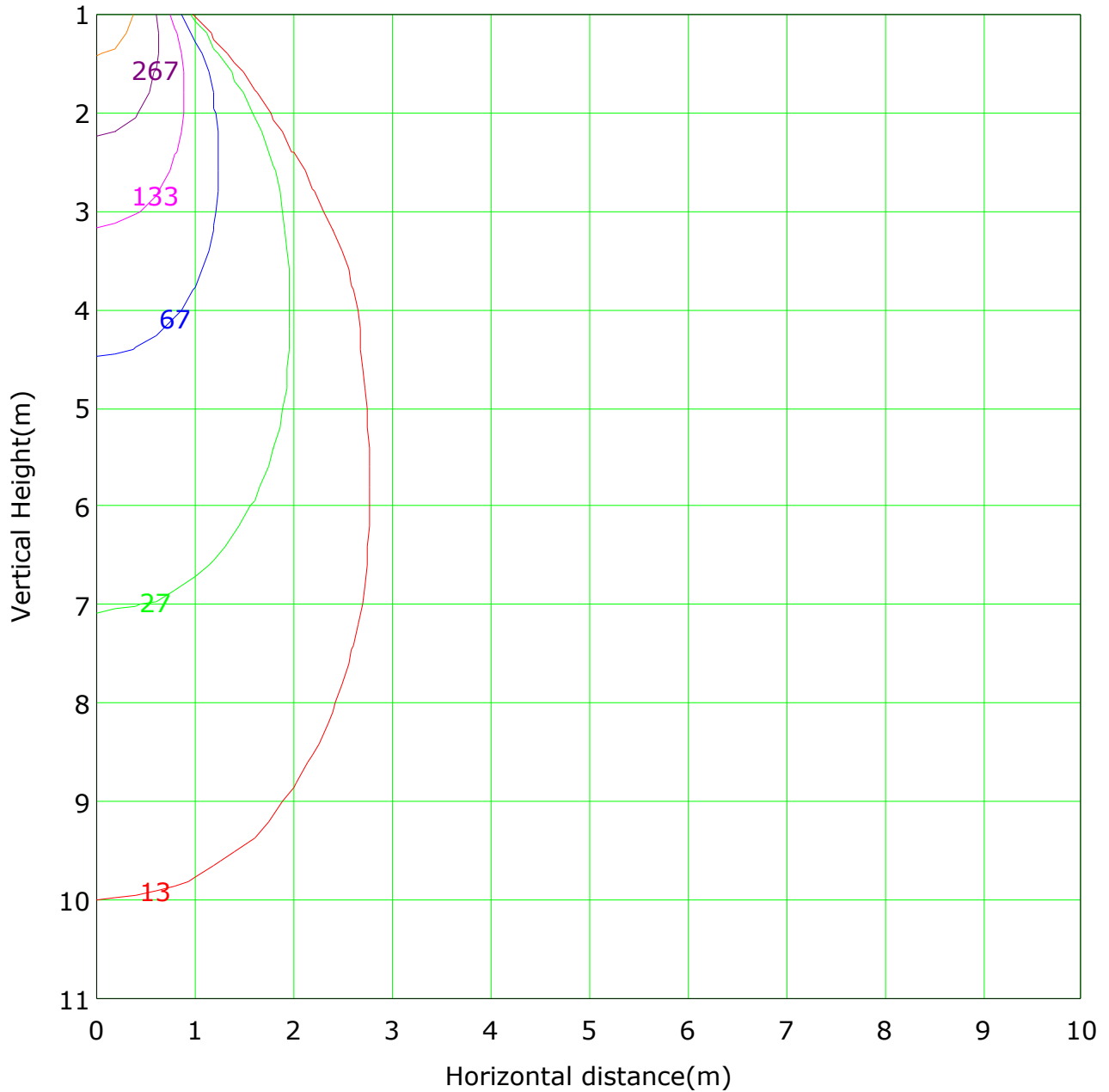
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Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 1333.2 lx

— (1%): 13.3 lx	— (2%): 26.7 lx
— (5%): 66.7 lx	— (10%): 133.3 lx
— (20%): 266.6 lx	— (50%): 666.6 lx
— (100%):1333.2 lx	

The Average Illuminance Effective Figure

